

SWBAT: communicate an original experiment about waves using a Vee chart

Jan 4-7:20 AM

# Welcome!!!

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Centering



Opening Questions:

What kind of experiments could we do about sound, waves, or frequency?

## Final Day!

Sep 7-7:04 AM

Projects:  
V-Chart ideas

ALONE OR ONE  
OTHER PERSON

How does extra mass (staples or paper clips) on the end of the straws affect the wave speed?

How does extra tension (mass hanging from the device) affect the wave speed?

How does length of tube affect the frequency of sound produced when spun?

Or, make me an offer...

<http://science.wonderhowto.com/how-to/build-wave-machine-out-household-items-321604/>

Today:

- ① FOCUS QUESTION (PICK ONE)
- ② CONCEPT MAP: "I THINK... BECAUSE... I'VE NOTICED..."
- ③ - LIST OF MATERIALS  
- STEP-BY-STEP PROCEDURE  
- DIAGRAM WITH LABELS

Apr 12-7:15 AM

## Project Vee Chart

- Part 1: Write down your question  
How DOES \_\_\_\_\_ AFFECT WAVE SPEED FOR A STRAW WAVE MACHINE?
- Part 2: Concept Map  
I THINK AS... BECAUSE... I NOTICED...
- Part 3: Methods and Materials  
- MATERIALS - STEP BY STEP - DIAGRAM  
- LABELED
- Part 4: Data  
- TABLE W/ UNITS - MORE DATA ⇒ BETTER!
- Part 5: Graph  
- LABELS  
- UNITS  
OBSERVE  
YOU CHANGED
- Part 6: Results  
- ODD DATA EXPLAINED - DESCRIPTION / LINE? - UP/DN/FLAT? - CURVE? - REACH LIMIT
- Part 7: Knowledge Claim  
- ANSWER TO Q - DATA / #S TO SUPPORT - BETTER NEXT TIME?
- Part 8: Value Claim  
- WHO WOULD CARE - WHY? X2
- Part 9: Glossary  
ENOUGH TO PAY!  
↳ BLUE CONCEPT SHEET?  
↳ FORCE? MASS?

Jan 26-7:43 AM

## Mythbusters Day 4: Singer break glass?

1) WHAT'S DIFFERENT ABOUT MEYER'S THIRD TRY?

2) CAN AN AMATEUR BREAK THE GLASS WITH A SPEAKER?

3) COULD AN UN-AIDED SINGER BREAK THE GLASS?

Apr 24-10:12 AM